

CURRICULUM VITAE

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Consulting Civil and Structural Engineer
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Chartered Professional Engineer.
Fellow, Institution of Engineers, Australia.
Fellow, Institute of Arbitrators Australia,
Member, Association of Consulting Engineers, Australia,
Grade 1 Arbitrator IE Aust and IArb A

Occupational Experience and Career

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| 1950-52. | Structural designer on steel framed industrial buildings, power stations and temporary works structures for |
| 1953-54. | Site engineer for Contractor in Izmir, Turkey, on design and construction of industrial buildings in reinforced concrete and structural steelwork. |
| 1954-58 | Site engineer for Contractor in Mombasa, Kenya, on heavy harbour works, including construction of deep water berths, a slipway, RC bridge, steel framed transit sheds. Responsible for design and fabrication of formwork, handling and erection equipment for precast concrete yards for prestressed concrete beams. Production of prestressed concrete works, precast and insitu, handling and erection. |
| 1958-60 | Designer in London office of Contractor on structural and civil works including falsework for Youghal Bridge, Ireland; Gladesville Bridge, Sydney and Tasman Bridge, Hobart, including structural steel stagings and template pontoons for construction of piles and RC pile caps. |
| 1960-65 | Planning Engineer for Contractor on Tasman Bridge, responsible for temporary works design including floating batching plants, handling equipment for precast units up to 100 T, temporary by-pass bridge 128 m span, scheduling, reporting and claims. |
| 1965-70 | Construction Manager, Project Manager and then Director of Head Contractor on Warringah Expressway construction, Sydney. Responsible for total project including earthworks, bridges, retaining walls and paying. Responsible for preparation of contractual claims, negotiation and litigation of disputes. |
| 1970-77 | Director of consulting practice engaged in civil and structural works for industrial, commercial and residential developments. Works included slipways, infrastructure works for coal mines, waste disposal facilities, environmental impact studies, sewage disposal, dry dock, swimming pools and schools. |
| 1977-87 | Principal of own firm of Consulting Engineers engaged on design, documentation and supervision of roadworks, bridges, industrial buildings, large scale commercial and residential buildings, including high and low rise; infrastructure works for major coal mine developments, harbour works including administration and management. Investigations and documentation for the preservation, restoration and recycling of structures of heritage value, including bridges, reservoirs and buildings involving wrought iron, timber, masonry and concrete. Investigation of claims of damage due to earthquake, flood, land slide, storm, bad building practice and- inadequate design. In 1987 I amalgamated my practice with another firm. |
| 1987-92 | Associate director of the amalgamated practice engaged in civil, maritime and structural works as above. |

1987 to date. Principal of own firm specialising in dispute resolution, including as Referee, Arbitrator, Conciliator or Expert Appraiser, as required or as appropriate to the dispute, within fields of experience. Engineering investigations into failures and damage to buildings, retaining walls, swimming pools, bridges and other structures in concrete, masonry, timber and structural steelwork resulting from earthquake, storm, impact, design failure and deterioration for the insurance industry and for litigation.

Publications

"The Responsibilities for Temporary Works", 1977. ISBN 0 858915 012 3.

"Marina Guidelines" Co-author and compiler. Published *by PWD* 1987.

"Design Guidelines for Wharves and Jetties" Co-author and compiler- Published by PWD 1987.

"Timber Truss Bridge Maintenance Handbook" Co-author and compiler. Published by DMR 1987.

Appointments and Awards

Institution of Engineers, Australia.

Civil Panel 1968 to date;

Heritage Panel 1976 to date;

Division Committee 1976-79;

National Committee on Engineering Heritage, 1977-88;

Editorial Panel for Civil Transactions 1979-81.

Standing Committee on Arbitration 1999 to date.

Institution of Engineers, Australia. Sydney Division, Excellence Award 1985.

Institute of Arbitrators Australia, N.S.W

Chapter Committee 1984 to date,

Chairman 1990-92,

Councilor 1992 to date.